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- Narrow your searches by using a + if a search term must appear on a page.

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1 Digital talking books on a PC: a usability evaluation of the prototype DAISY playback software
Sarah Morley
January 1998 **Proceedings of the third international ACM conference on Assistive technologies**
Full text available: txt(38.78 KB) Additional Information: full citation, references, citings, index terms

Keywords: auditory navigation, blind and visually impaired readers, digital talking books, evaluation methodology, structured information access

2 Book review: Natural Language and Voice Processing by Terri C. Walker and Richard K. Miller (SEAI Technical Publications)
Oscar Firschein
January 1988 **ACM SIGART Bulletin**, Issue 103
Full text available: pdf(218.55 KB) Additional Information: full citation, abstract

This 250 page looseleaf book is an assessment of the technology and the applications of natural language and voice processing. Although there is no indication of the goal of the book, it seems designed for manager-level people who are interested in acquiring natural language and voice processing technology. The book contains the following chapters:

3 Fixed or fluid?: document stability and new media
David M. Levy
September 1994 **Proceedings of the 1994 ACM European conference on Hypermedia technology**
Full text available: pdf(957.14 KB) Additional Information: full citation, abstract, references, citings, index terms

One of the crucial properties of documents through the ages has been their fixity. The ability to mark surfaces in relatively stable ways has made it possible for people distributed across space and time to see the same images and thereby to have access to the same meanings or communicative intent. Today, however, with the increasing use of digital technologies, it is often asserted that we are moving from the fixed world of paper documents to the fluid wor ...

Keywords: documents, fixity, fluidity, hypertext

4 Personal computing: from P-books to E-books
Larry Press
May 2000 **Communications of the ACM**, Volume 43 Issue 5
Full text available: pdf(92.24 KB) html(24.65 KB) Additional Information: full citation, references, citings, index terms

5 An annotated bibliography of computer supported cooperative work
Saul Greenberg
July 1991 **ACM SIGCHI Bulletin**, Volume 23 Issue 3
Full text available: pdf(4.27 MB) Additional Information: full citation, abstract, references, citings, index terms

Computer-supported cooperative work (CSCW) is a new multi-disciplinary field with roots in many disciplines. Due to the area's youth and diversity, few specialized books or journals are available, and articles are scattered amongst diverse journals, proceedings and technical reports. Building a CSCW reference library is particularly demanding, for it is difficult for the new researcher to discover relevant documents. To aid this task, this article compiles, lists and annotates some of the curren ...

6 The computer for the 21st century
Mark Weiser
July 1999 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 3 Issue 3
Full text available: pdf(4.08 MB) Additional Information: full citation, abstract, citings, index terms

Specialized elements of hardware and software, connected by wires, radio waves and infrared, will be so ubiquitous that no one will notice their presence.

7 Electronic tools for dismantling the master's house: poststructuralist feminist research and hypertext poetics
Wendy Morgan
February 1999 **Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots**
Full text available: pdf(2.00 MB) Additional Information: full citation, references, citings, index terms

Keywords: Hypertext rhetoric, feminism, poststructuralism, scholarship, social science research

8 Hypertext and the author/reader dialogue
Susan Michalak, Mary Coney
December 1993 **Proceedings of the fifth ACM conference on Hypertext**
Full text available: pdf(902.64 KB) Additional Information: full citation, references, citings, index terms

Keywords: hypertext, implied author, literary theory, reader roles, reader-response

criticism, rhetoric

9 Publishing online, a commercial (ad)venture
Nancy Cooke, David McAllister
February 1996 **Proceedings of the 13th annual international conference on Systems documentation: emerging from chaos: solutions for the growing complexity of our jobs**
Full text available: pdf(523.25 KB) Additional Information: full citation, references, index terms

10 Electronic Computers: A Historical Survey
Saul Rosen
January 1969 **ACM Computing Surveys (CSUR)**, Volume 1 Issue 1
Full text available: pdf(2.45 MB) Additional Information: full citation, references, citings, index terms

11 Book Reviews: Computerization and Controversy edited by Charles Dunlop and Rob Kling (Academic Press, 1991)
David Bellin
December 1993 **ACM SIGCAS Computers and Society**, Volume 23 Issue 3-4
Full text available: pdf(488.29 KB) Additional Information: full citation

12 Helping users navigate in multimedia documents: the affective domain
Marcia Peoples Halio
November 1992 **Proceedings of the 10th annual international conference on Systems documentation**
Full text available: pdf(512.62 KB) Additional Information: full citation, references, citings, index terms

13 A conversation with Don Norman
John Rheinfrank
April 1995 **interactions**, Volume 2 Issue 2
Full text available: pdf(1.14 MB) Additional Information: full citation, citings, index terms

14 Media transports and distributed multimedia flows
Mark Baugher
March 1992 **Proceedings of the 1992 ACM/SIGAPP symposium on Applied computing: technological challenges of the 1990's**
Full text available: pdf(1.55 MB) Additional Information: full citation, references, citings, index terms

15 A prototype electronic encyclopedia
Stephen A. Weyer, Alan H. Borning
January 1985 **ACM Transactions on Information Systems (TOIS)**, Volume 3 Issue 1
Full text available: pdf(1.76 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We describe a prototype electronic encyclopedia implemented on a powerful personal computer, in which user interface, media presentation, and knowledge representation techniques are applied to improving access to a knowledge resource. In itself, an electronic encyclopedia is an important information resource, but this work also illustrates the issues and approaches for many types of electronic information retrieval environments. In the prototype we make dynamic use of the structure and sema ...

16 Illustrative risks to the public in the use of computer systems and related technology
Peter G. Neumann
January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1
Full text available: pdf(2.54 MB) Additional Information: full citation

17 Writing on the world: the role of symbolic communication in graphic computer environments
Jay David Bolter
November 1993 **Proceedings of the 11th annual international conference on Systems documentation**
Full text available: pdf(919.25 KB) Additional Information: full citation, references, index terms

18 Social Analyses of Computing: Theoretical Perspectives in Recent Empirical Research
Rob Kling
January 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 1
Full text available: pdf(3.98 MB) Additional Information: full citation, references, citings, index terms

19 Books: Avatars of the word: from papyrus to cyberspace
Sean Zdenek
March 2000 **ACM SIGCAS Computers and Society**, Volume 30 Issue 1
Full text available: pdf(217.07 KB) Additional Information: full citation

20 Providing education electronically to nontraditional sites: new delivery to a new audience
Nancy C. McAllister, David F. McAllister
October 1996 **Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle**
Full text available: pdf(777.73 KB) Additional Information: full citation, references, index terms

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1 Multimedia document presentation, information extraction, and document formation in MINOS: a model and a system
S. Christodoulakis, M. Theodoridou, F. Ho, M. Papa, A. Pathria
December 1986 **ACM Transactions on Information Systems (TOIS)**, Volume 4 Issue 4

Full text available: pdf(3.16 MB) Additional Information: full citation, abstract, references, citings, index terms, review

MINOS is an object-oriented multimedia information system that provides integrated facilities for creating and managing complex multimedia objects. In this paper the model for multimedia documents supported by MINOS and its implementation is described. Described in particular are functions provided in MINOS that exploit the capabilities of a modern workstation equipped with image and voice input-output devices to accomplish an active multimedia document presentation and browsing within docu ...

2 Interactive Editing Systems: Part I
Norman Meyrowitz, Andries van Dam
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available: pdf(3.08 MB) Additional Information: full citation, citings, index terms

3 Turning ideas into products: the Guide system
P. J. Brown
November 1987 **Proceeding of the ACM conference on Hypertext**

Full text available: pdf(759.51 KB) Additional Information: full citation, abstract, references, citings, index terms

The Guide system is a successful commercial product that originally came out of some ideas of a research project. Unlike many other hypertext systems, Guide is aimed at naive users and authors in the personal computer market. This paper evaluates the basic principles of Guide, and describes the interplay between the product and the continuing hypertext research programme.

4 A prototype electronic encyclopedia
Stephen A. Weyer, Alan H. Borning
January 1985 **ACM Transactions on Information Systems (TOIS)**, Volume 3 Issue 1

Full text available: pdf(1.76 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We describe a prototype electronic encyclopedia implemented on a powerful personal computer, in which user interface, media presentation, and knowledge representation techniques are applied to improving access to a knowledge resource. In itself, an electronic encyclopedia is an important information resource, but this work also illustrates the issues and approaches for many types of electronic information retrieval environments. In the prototype we make dynamic use of the structure and sema ...

5 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available: pdf(5.14 MB) Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

6 Media transports and distributed multimedia flows

Mark Baugher

March 1992 **Proceedings of the 1992 ACM/SIGAPP symposium on Applied computing: technological challenges of the 1990's**

Full text available: pdf(1.55 MB) Additional Information: full citation, references, citings, index terms

7 Human-computer interface development: concepts and systems for its management

H. Rex Hartson, Deborah Hix

March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1

Full text available: pdf(7.97 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Human-computer interface management, from a computer science viewpoint, focuses on the process of developing quality human-computer interfaces, including their representation, design, implementation, execution, evaluation, and maintenance. This survey presents important concepts of interface management: dialogue independence, structural modeling, representation, interactive tools, rapid prototyping, development methodologies, and control structures. *Dialogue independence* is th ...

8 An object-oriented approach to multimedia databases

Darrell Woelk, Won Kim, Willis Luther

June 1986 **ACM SIGMOD Record , Proceedings of the 1986 ACM SIGMOD international conference on Management of data**, Volume 15 Issue 2

Full text available: pdf(1.76 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper identifies data modelling and data access and sharing requirements which multimedia applications impose on a database system. It shows the capabilities of an object-based data model and indicates extensions which are needed to meet the data modelling aspects of these requirements. A logical implementation of the operations on the model is described. The model generalizes the notions of instantiation and generalization in the standard object-oriented paradigm, and augments it with ...

9 Structural analysis of hypertexts: identifying hierarchies and useful metrics
Rodrigo A. Botafogo, Ehud Rivlin, Ben Shneiderman
April 1992 **ACM Transactions on Information Systems (TOIS)**, Volume 10 Issue 2

Full text available: pdf(2.24 MB) Additional Information: full citation, abstract, references, citings, index terms

Hypertext users often suffer from the "lost in hyperspace" problem: disorientation from too many jumps while traversing a complex network. One solution to this problem is improved authoring to create more comprehensible structures. This paper proposes several authoring tools, based on hypertext structure analysis. In many hypertext systems authors are encouraged to create hierarchical structures, but when writing, the hierarchy is lost because of the inclusion of cros ...

Keywords: graph theory, hierarchies, hypertext, metrics, structural analysis

10 Hypertext'91 trip report
Lynda Hardman
July 1992 **ACM SIGCHI Bulletin**, Volume 24 Issue 3

Full text available: pdf(976.62 KB) Additional Information: full citation, abstract, index terms

This was the third US-based hypertext conference (following on from the '87 and '89 conferences) with 575 participants, 450 from the USA and 125 from the rest of the world.

11 Digital talking books on a PC: a usability evaluation of the prototype DAISY playback software
Sarah Morley
January 1998 **Proceedings of the third international ACM conference on Assistive technologies**

Full text available: txt(38.78 KB) Additional Information: full citation, references, citings, index terms

Keywords: auditory navigation, blind and visually impaired readers, digital talking books, evaluation methodology, structured information access

12 XML linking
Steven J. DeRose
December 1999 **ACM Computing Surveys (CSUR)**

Full text available: pdf(154.81 KB) Additional Information: full citation, references, citings, index terms

13 Markup systems and the future of scholarly text processing
James H. Coombs, Allen H. Renear, Steven J. DeRose
November 1987 **Communications of the ACM**, Volume 30 Issue 11

Full text available: pdf(1.91 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Markup practices can affect the move toward systems that support scholars in the process of thinking and writing. Whereas procedural and presentational markup systems retard that movement, descriptive markup systems accelerate the pace by simplifying mechanical tasks and allowing the authors to focus their attention on the content.

14 Stalking the paratext: speculations on hypertext links as a second order text

Francisco J. Ricardo
May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems**
Full text available: pdf(1.38 MB) Additional Information: full citation, references, citings, index terms

15 Guttenberg's great-grandchild: publishing in the 21st century
Mark Rice
October 1994 **Proceedings of the 22nd annual ACM SIGUCCS conference on User services**
Full text available: pdf(424.97 KB) Additional Information: full citation, references, index terms

16 The moment in hypertext: a brief lexicon of time
Marjorie C. Luesebrink
May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems**
Full text available: pdf(1.00 MB) Additional Information: full citation, references, citings, index terms

17 Quilt: a collaborative tool for cooperative writing
Robert S. Fish, Robert E. Kraut, Mary D. P. Leland
April 1988 **ACM SIGOIS Bulletin , Conference Sponsored by ACM SIGOIS and IEEECS TC-OA on Office information systems**, Volume 9 Issue 2-3
Full text available: pdf(903.85 KB) Additional Information: full citation, abstract, references, citings, index terms

Quilt is a computer-based tool for collaborative writing, which provides annotation, messaging, computer conferencing, and notification facilities to support communication and information sharing among the collaborators on a document. In addition, extensible sets of social roles and communication types are used to provide views of a document tailored to individual collaborators or to other users of the document based upon their position in a permission hierarchy. This paper describes the ra ...

18 Publishing online, a commercial (ad)venture
Nancy Cooke, David McAllister
February 1996 **Proceedings of the 13th annual international conference on Systems documentation: emerging from chaos: solutions for the growing complexity of our jobs**
Full text available: pdf(523.25 KB) Additional Information: full citation, references, index terms

19 Contexts—a partitioning concept for hypertext
Norman M. Delisle, Mayer D. Schwartz
April 1987 **ACM Transactions on Information Systems (TOIS)**, Volume 5 Issue 2
Full text available: pdf(1.49 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Hypertext systems provide good information management support for a wide variety of documentation efforts. These efforts range from developing software to writing a book. However, existing hypertext systems provide poor support for collaboration among teams of

authors. This paper starts by briefly describing properties of several existing hypertext systems. Then several models for forming partitions in a hypertext database are examined and contexts, a partitioning scheme that supports multi ...

20 Anticipations of hypertext: STOP and the literary machine

Mark Bernstein

August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3

Full text available: pdf(709.53 KB) Additional Information: full citation, abstract, index terms

The STOP methodology, like contemporary hypertext theory, arose from a confluence of novel technological and literary ideas. While the engineering and literary factors that shaped STOP are very different from those that shape hypertext, the similarities between the STOP prescription and contemporary hypertext design are striking.

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1 Workshops: Designing electronic books
Gene Golovchinsky, Cathy Marshall, Bill Schilit
May 1999 **CHI '99 extended abstracts on Human factors in computing systems**

Full text available: pdf(91.54 KB) Additional Information: full citation, abstract, references

Science fiction introduced the idea of an electronic book; some early prototypes showed the potential of such devices (Kay and Goldberg, 1977); now we have the technology to implement these ideas (Lewis, 1998; Schilit *et al.*, 1998). Still missing, however, is a principled look at interaction design and features that make electronic books useable and useful. This workshop will bring together practitioners, researchers, and designers to explore the future of electronic books with an emphasi ...

Keywords: digital libraries, e-books, electronic books, information appliance, interaction design, pen-based computing, user interface metaphors, work practice

2 Documentation: Information visualization and interactive querying for online documentation and electronic books
Mark H. Chignell, Gene Golovchinsky, Ferdie Poblete, Sarah Zuberec
October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: distributed computing - Volume 2**

Full text available: pdf(1.67 MB) Additional Information: full citation, abstract, references

In this paper we describe recent research that we have conducted on the use of information visualization [3] and a new style of query-based browsing [7] to enhance the exploration of online information. Our goal is to increase the performance and usability of online documentation, and of electronic information in general.Information visualization using three dimensional hierarchies provides a convenient way to overview information structure and select topics [3]. Interactive querying allows a hi ...

3 Designing hypermedia help systems: problems and issues
A. Ogura, J. Robertson
November 1989 **Proceedings of the 7th annual international conference on Systems documentation**

Additional Information: full citation, abstract, index terms

Over the past few years we have seen a significant increase in hypertext and hypermedia

research; the variety of products now available is quite impressive and it seems we are constantly adding newer and even more innovative hypersystems. Clearly, hypermedia is an idea that has captured the imagination of the computer world and many claims have been made for its utility. Hypersystems have been used for many different types of applications. Borrowing Conklin's taxonomy [6], we fin ...

4 A prototype electronic encyclopedia

Stephen A. Weyer, Alan H. Borning
January 1985 **ACM Transactions on Information Systems (TOIS)**, Volume 3 Issue 1

Full text available: pdf(1.76 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We describe a prototype electronic encyclopedia implemented on a powerful personal computer, in which user interface, media presentation, and knowledge representation techniques are applied to improving access to a knowledge resource. In itself, an electronic encyclopedia is an important information resource, but this work also illustrates the issues and approaches for many types of electronic information retrieval environments. In the prototype we make dynamic use of the structure and sema ...

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